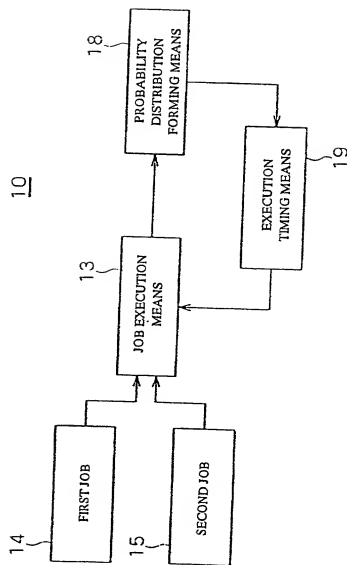


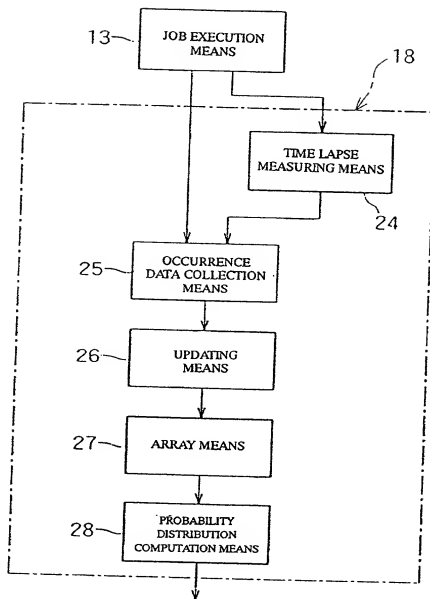
[Figure 1]

(1/12)



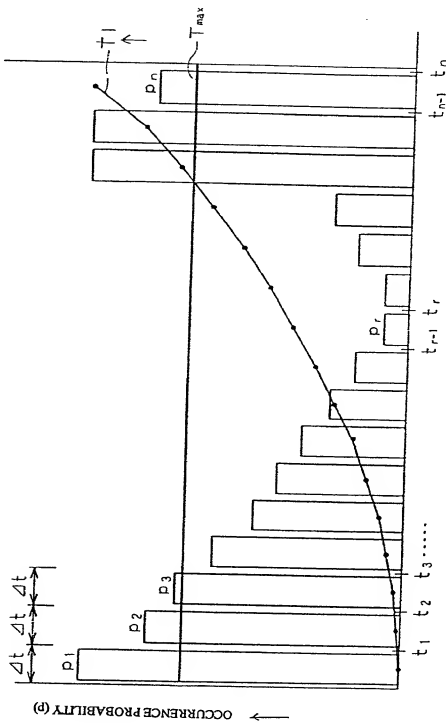
[Figure 2]

(2/12)

[illegible]

[Figure 3]

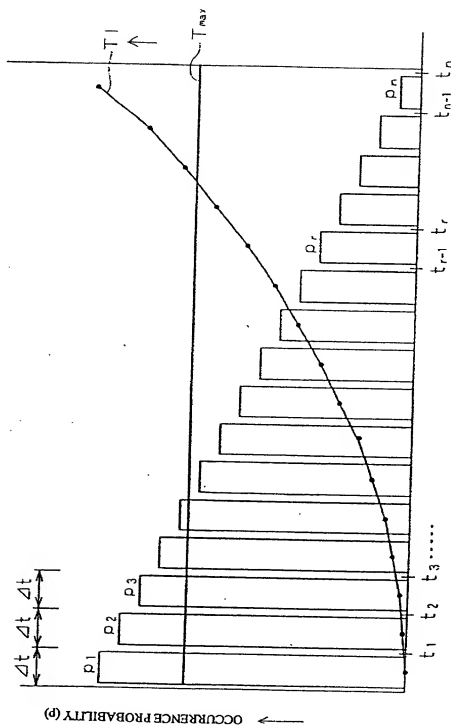
(3/12)



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[Figure 4]

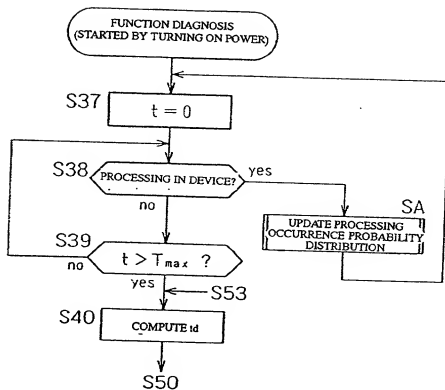
(4/12)



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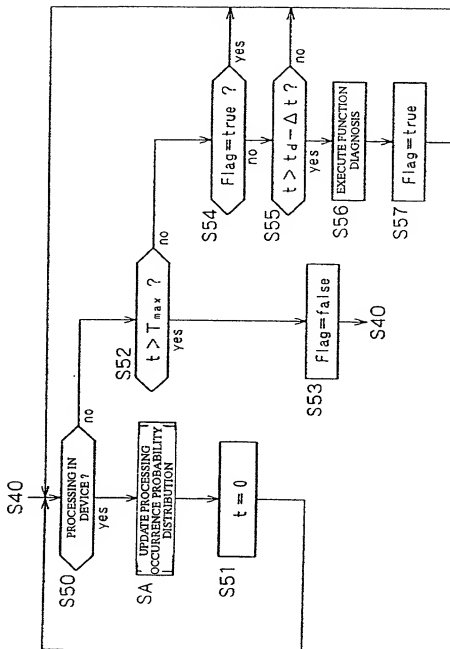
[Figure 5]

(5/12)



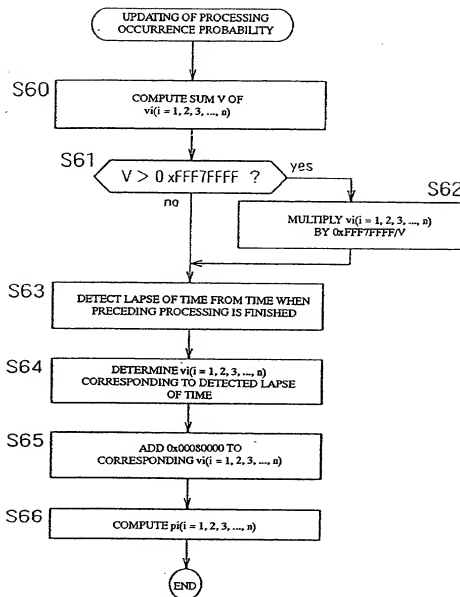
[Figure 6]

(6/12)



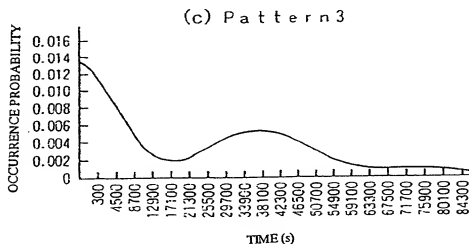
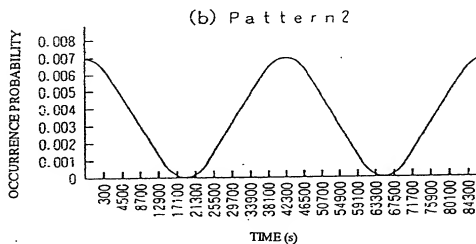
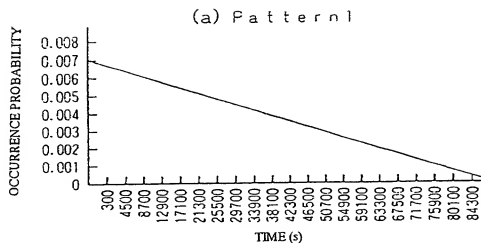
[Figure 7]

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[Figure 8]

(8/12)



[Figure 9]

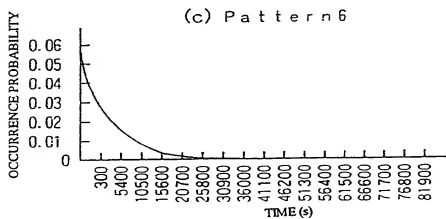
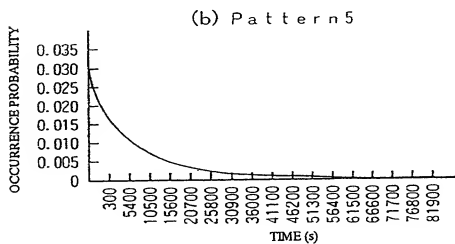
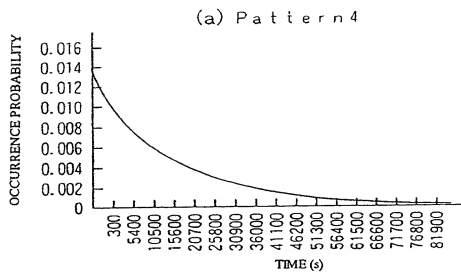
(9/12)

	Pattern1	Pattern2	Pattern3
PERIOD (DAYS)	13, 659	20, 613	12, 690
OVERLAPPING RATE (CONVENTIONAL METHOD) (TIMES/YEAR)	0.75	0.50	0.82
OVERLAPPING RATE (PROPOSED METHOD) (TIMES/YEAR)	4.21×10^{-5}	3.72×10^{-6}	9.02×10^{-6}
RATIO OF OVERLAPPING RATES (%)	5.61×10^{-4}	7.44×10^{-6}	1.10×10^{-4}

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[Figure 10]

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[Figure 11]

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	Pattern4	Pattern5	Pattern6
PERIOD (DAYS)	90, 840	5, 861	2, 674
OVERLAPPING RATE (CONVENTIONAL METHOD) (TIMES/YEAR)	1.05	1.77	3.88
OVERLAPPING RATE (PROPOSED METHOD) (TIMES/YEAR)	7.52×10^{-5}	9.44×10^{-6}	2.46×10^{-5}
RATIO OF OVERLAPPING RATES (%)	7.16×10^{-4}	5.33×10^{-6}	6.34×10^{-4}

[Figure 12]

(12/12)

$$T_1 = \sum_{k=1}^n p_k t_k \quad \dots (1)$$

$$T_2 = \sum_{k=1}^n p_k t_k \sum_{i=0}^{\infty} p_i^i \quad \dots (2)$$

$$T_\ell = \sum_{k=1}^n p_k t_k \sum_{i=0}^{\infty} \left(\sum_{j=1}^{\ell-1} p_j \right)^i = \frac{\sum_{k=1}^n p_k t_k}{1 - \sum_{j=1}^{\ell-1} p_j} \quad \dots (3)$$

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